115 44 95-38 (110)

ZENOAH®

GB

OWNER'S MANUAL

BRUSHCUTTERS

BC4500DW

Original Language

⚠ WARNING ⚠

Before using our products, please read this manual carefully to understand the proper use of your unit.

⚠ SAFETY FIRST

Instructions contained in warnings within this manual marked with a ⚠ symbol concern critical points which must be taken into consideration to prevent possible serious bodily injury, and for this reason you are requested to read all such instructions carefully and follow them without fail.

WARNINGS IN THE MANUAL

⚠WARNING

This mark indicates instructions, which must be followed in order to prevent accidents, which could lead to serious bodily injury or death.

❗ IMPORTANT

This mark indicates instructions, which must be followed, or it leads to mechanical failure, breakdown, or damage.

NOTE

This mark indicates hints or directions useful in the use of the product.

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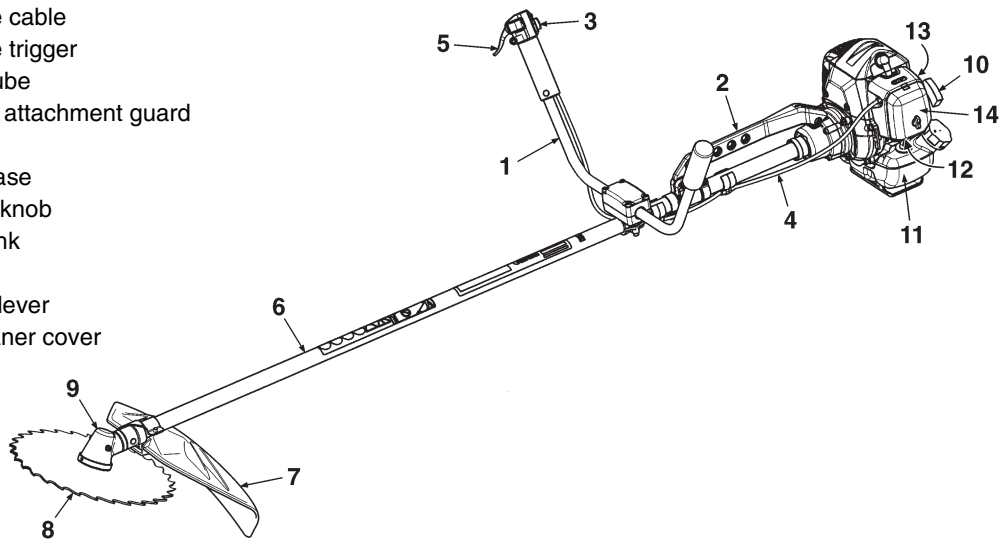
1. Parts location

1. Handle
2. Suspention point
3. Stop switch
4. Throttle cable
5. Throttle trigger
6. Shaft tube
7. Cutting attachment guard
8. Blade
9. Gear case
10. Starter knob
11. Fuel tank
12. Primer
13. Choke lever
14. Air cleaner cover

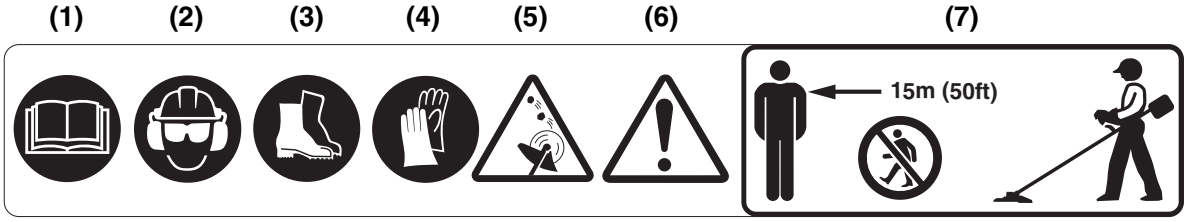


2. Specification

MODEL CODE	Unit	BC4500DW	NOTE
Overall size			
Length	mm	1860	
Width	mm	630	
Height	mm	510	
Dry Weight	Kg	7.3	
Engine Model		G45L-D	
Displacement	cc	41.5	
Carburetor		Diaphragm	
Fuel		Mixture (Gasoline 50 : Oil 1) (when using ZENOAH genuine oil)	
Fuel Tank capacity	litter	0.94	
Service range	rpm	5000~8000	
Spark plug		BPMR7A	
Clutch system		Two-shoe Centrifugal-Type	
Anti-vibration system			
Housing		Yes	
Handle-bracket		Yes	
Gearhead			
Neck angle	deg	60	
Reduction ratio		1.400	
Blade Rotation		Counter-clockwise	
Handle Type		Both	
Throttle lever		Trigger Type (With Safety-lock)	
Standard cutter		Steel-Blade 255-30T	
Harness Type		Double	
Quick release		Yes	
Standard Accessories			
Blade-cover		●	For transportation
Tool-kit		●	
Goggle		●	
Owner's manual		●	

Specifications are subject to change without notice.

3. Warning labels on the machine



(1) Read owner's manual before operating this machine.
(2) Wear head, eye and ear protection.
(3) Wear foot protection.
(4) Wear gloves.
(5) Beware of thrown objects.
(6) Warning / Attention
(7) Keep all children, bystanders and helpers 15 meters away from the machine.

If warning label peels off or becomes soiled and impossible to read, you should contact the dealer from which you purchased the product to order new labels and affix them in the required location(s).

Never modify your machine.
We won't warrant the machine, if you use the remodeled brushcutter or if you don't observe the proper usage written in the manual.

4. Symbols on the machine

For safe operation and maintenance, symbols are carved in relief on the machine. According to these indications, please be careful not to make a mistake.

The port to refuel the "MIX GASOLINE"
Position: FUEL TANK CAP

The direction to close the choke
Position: ENGINE COVER

The direction to open the choke
Position: ENGINE COVER

⚠ 5. For safe operation

⚠WARNING

- **A brushcutter or trimmer can be dangerous if used incorrectly or carelessly, and can cause serious or fatal injury to the operater or others. It is extremely important that you read and understand the contents of this Owner's manual.**
- **Under no circumstances may the design of the machine be modified without the permission of the manufacturer. Always use genuine accessories and parts. Non-authorized modifications and/or accessories or parts can result in serious personal injury or the death of the operator or others.**

- **When planning your work schedule, allow plenty of time to rest. Limit the amount of time over which the product is to be used continuously to somewhere around 30 ~ 40 minutes per session. Also try to keep the total amount of work performed in a single day under 2 hours or less.**

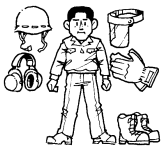
- **If you don't observe the working time, or working manner (See p5), Repetitive Stress Injury(RSI) could occur.**
  If you feel discomfort, redness and swelling of your fingers or any other part of your body, see a doctor before getting worse.

■ BASIC SAFETY RULES

1. Never operate the product when you are fatigued, ill, or upset, or under the influence of madication that may make you drowsy, or if you are under the influence of alcohol or drugs.

2. Never use the product;
   a: When the ground is slippery or when you can't maintain a steady posture.
   b: At night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the working area.

   c: During rain storms, during lightning storms, at times of strong or gale-force winds, or at any other times when weather conditions might make it unsafe to use the product.
3. Wear the following protective equipments when operating the product.



   a: Approved helmet to reduce the risk of falling objects.
   b: Approved ear protection to reduce the risk of hearing loss.
   c: Approved (ANSI Z87.1.) eye protection and foot protection to reduce the risk of injury associated with thrown objects.
   d: Face filter mask in dusty conditions to reduce the risk of injury associated with the inhalation of dust.
   e: Wear sturdy rubber-soled shoes or shoes with some other form of anti-slip protection to help protect you against falling.
   f: Wear thick anti-vibration gloves to reduce the risk of whitefinger disease.

   g: Do not wear loose clothing, scarves, neck chains, unconfineed long hair, and like to reduce the risk of injury associated with objects being drawn into air intake and rotating parts.

   Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury.

4. The ignition system of your unit produces an electromagnetic field of a very low intensity. This field may interfere with some pacemakers. To reduce the risk of serious or fatal injury, persons with pacemaker should consult their physician and the pacemaker munufacturer before operating this tool.
5. The area within a perimeter of 50 feet (15 meters) of the person using the product should be considered a hazardous area into which no one should enter. If necessary yellow warning rope, warning signs should be placed around the perimeter of the area.

   When work is to be performed simultaneously by two or more

⚠ 5. For safe operation

persons, care should also be taken to constantly look around or otherwise check for the presence and locations of other people working so as to maintain a distance between each person sufficient to ensure safety.

6. Avoid using the product where stable footing and balance are not assured.
7. All product service, other than the items listed in the Owner's Manual, should be performed by competent service personnel.
8. Always shut off the engine before setting it down.
9. Start the engine only in well ventilated areas. Never start or run the engine inside a closed room or building and potentially explosive atmosphere. Exhaust fumes contain dangerous carbon monoxide.

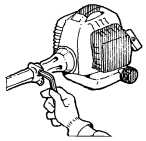
10. Never to touch the spark plug or plug cord while the engine is in operation Doing so may result in being subjected to an electrical shock.

11. Never to touch the muffler, spark plug, other metallic parts of the engine or engine cover while the engine is in operation or immediately after shutting down the engine. These metallic parts and engine cover reach high temperatures during operation and doing so could result in serious burns.

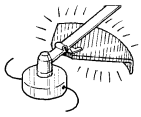
12. To reduce the risk of injury associated with contacting rotating parts, stop the engine before installing or removing attachments. Always disconnect the spark plug before performing maintenance or accessing movable parts.

■ BEFORE USE

1. Each time before starting the engine, inspect the entire unit to see if every part is in good order and is securely tightened in place. If any damage is found in the fuel line, the exhaust line, or the ignition wiring, do not use the product until it has been repaired.



⚠WARNING



2. Before starting operation, always make sure that the cutting attachment and the debris guard are properly installed and securely fastened.

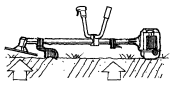
3. Check the condition of working area to avoid any accident by hitting hidden obstacles such as stumps, stones, cans, or broken grass.

❗IMPORTANT

Remove any obstacle before beginning work.

■ STARTING THE ENGINE

1. Keep bystanders and animals at least 50 feet (15 meters) away from the operating point. If you are approached, immediately stop the engine.



2. The product is equipped with centrifugal clutch mechanism, so the cutting attachment could rotate as soon as the engine is started. When starting the engine, place the product onto the ground in a flat clear area and hold it firmly in place so as to ensure that neither the cutting part nor the throttle come into contact with any obstacle when the engine starts.

⚠WARNING

Make sure the throttle is at idle position. Never place the throttle into the high speed position or half throttle position (throttle lock position) when starting the engine.

3. After starting the engine, check to make sure that the cutting attachment stops rotating when the throttle is moved fully back to its original position (idle position). If it continues to rotate even after the throttle has been moved fully back, turn off the engine and take the unit to your authorized ZENOAH servicing dealer for repair.

■ USING THE PRODUCT

❗IMPORTANT

Cut only materials recommended by the manufacturer. And use only for tasks explained in the manual.

1. Grip the handles firmly with both hands

⚠ 5. For safe operation

using your whole hand. Place your feet slightly apart (slightly further apart than the width of your shoulders) so that your weight is distributed evenly across both legs, and always be sure to maintain a steady , even posture while working.

2. Keep cutting attachment below waist level.
3. Maintain the speed of the engine at the level required to perform cutting work, and never raise the speed of the engine above the level necessary.

4. If you detect abnormal vibration or noise during operation, promptly stop the product and check whether something has broken. If a breakedown has occurred, do not operate the product until the problem is fixed.
5. Keep all parts of your body away from rotating cutting attachment.
6. Guard against hazardous situations at all times. Warn adults to keep pets and children away from the area. Be careful if you are approached. Injury may result from flying debris.
7. If someone calls out or otherwise interrupts you while working, always be sure to turn off the engine before turning around.
8. After using the product and other equipment, CLEAN UP!

■ TRANSPORT

1. Drain the fuel from the fuel tank before transporting or storing the product.
2. When hand-carrying the product, cover over the cutting part, lift up the product and carry it paying attention to the blade.
3. Secure the unit carefully to prevent movement when it is transported.
4. A unit that receives a strong shock during transport and unloading may malfunction.

■ FUEL SAFETY

1. Always use caution when handling fuel. It is highly flammable. Wipe up all spills, screw the fuel cap back tightly, and then move the product at least 10 feet (3 meters) from the fueling point before starting the engine.

2. Eliminate all sources of sparks or flame (i.e. smoking, open flames, or work that can cause sparks) in the areas where fuel is mixed, poured, or stored.
3. Do not smoke while handling fuel or while operating the product.
4. Do not refuel a hot engine.
5. Do not refuel a running engine.
6. Keep the handles dry, clean and free of oil or fuel mixture.
7. Always store fuel in an approved container designed for that purpose.

■ STORAGE

1. Always store the product and fuel so that there is no risk of leakages or fumes coming into contact with sparks or naked flames from electrical equipment, electric moters, relays/switches, boilers and the like.
2. When storing the product, the fuel tank should be emptied.
3. When storing the product, choose a space indoors free from moisture and out of the reach of children.

■ AVOID NOISE PROBLEM

❗ IMPORTANT

Check and follow the local regulations as to sound level and hours of operations for the product.

1. Operate power equipment only at reasonable hours not early in the morning or late at night when people might be disturbed. Comply with times listed in local ordinances.
2. To reduce sound levels, limit the number of pieces of equipment used at any one time.
3. Operate the product at the lowest possible throttle speed to do the job.
4. Check your equipment before operation, especially the muffler, air intakes and air filters.

■ FOR PROTECTING YOUR BODY FROM VIBRATION

⚠WARNING

Prolonged use of the product, exposing the operater to vibrations

⚠ 5. For safe operation

and cold may produce whitefinger disease (Raynaud's phenomenon), which symptoms are tingling and burning sensations followed by loss of color and numbness in the fingers. All factors which contribute to whitefinger disease are not known, but cold weather, smoking diseases or physical conditions as well as long periods of exposure to vibration are mentioned as factors. In order to reduce the risk of whitefinger disease, the following precautions are strongly recommended.

a: Keep your body warm. Never use the product during rains.
b: Wear thick anti-vibration gloves.
c: Take more than 5 minutes of break in warm place frequently.
d: Maintain a firm grip at all times, but do not squeeze the handles with constant, excessive pressures.
e: If you feel discomfort, redness and swelling of your fingers or any other part of your body, see a doctor before getting worse.

■ MAINTENANCE

1. In order to maintain your product in proper working order, perform the maintenance and checking operations described in the manual at regular intervals.
2. Always be sure to turn off the engine and disconnect the spark plug before performing any maintenance or checking procedures.

⚠WARNING

The metallic parts and engine cover reach high temperatures immediately after stopping the engine.

3. Examine the product at intervals for loose fasteners and rusted or damaged parts. Use special care around the fuel line, the muffler, and the ignition wiring.
4. When replacing the any other part, or any lubricant, always be sure to use only ZENOAH products or products which have been certified by ZENOAH for use with the ZENOAH product.
5. In the event that any part must be replaced or any maintenance or repair work not described in this manual must be performed, please contact a representative from the store nearest ZENOAH authorized servicing dealer for assistance.
6. Do not use any accessory or attachment other than those bearing the ZENOAH mark and recommended for the unit.
7. Under no circumstances should you ever take apart the product or alter it in any way. Doing so might result in the product becoming damaged during operation or the product becoming unable to operate properly.

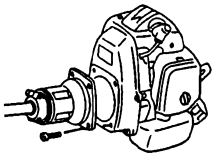
■ DISPOSAL

When disposing your machine, fuel or oil for the machine, be sure to allow your local regulations.

6. Set up

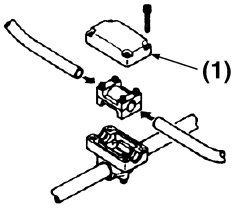
■ ENGINE

Using attached 4 socket screws, secure the connection firmly with equal force.



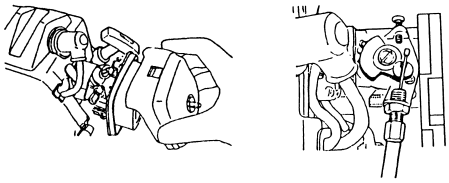
■ HANDLE

1. Remove the upper cap(1) from the bracket.
2. Loosen the 4 bolts on the clamp and insert the handles equally. Retighten the bolts.
3. Put the handle assembly into the bracket and put the upper cap(1) over it. Tighten the cap securely.



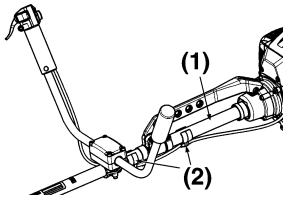
■ CONNECTING THROTTLE WIRE

1. Remove the air cleaner cover.
2. Connect the end of the throttle wire to the joint on the top of the carburetor.



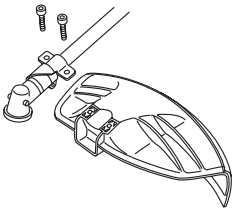
■ CLAMP THE THROTTLE WIRE

Bind the throttle wire to shaft tube(1) by clamp(2).



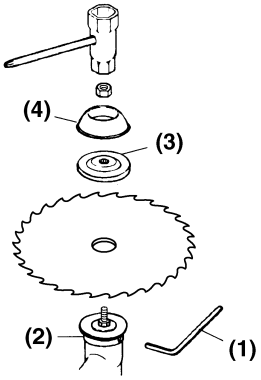
■ BLADE GUARD

Attach the guard on the shaft tube. Fix it with 2 bolts.



■ BLADE

1. Put the angled bar(1) into the side holes of the inner holder and the gearcase.
2. Remove the nut (Lefthanded) and the outer holder(3) from the gearshaft.
3. Put the blade onto the inner holder(2). Make the marked side face the holder.
4. Put the outer holder(3) onto the gearshaft making the recessed side face the blade.
5. Fasten the blade by the nut and the cover(4).



[Tightening torque]
14.7 to 19.6 N·m (150 to 200 kg·cm)

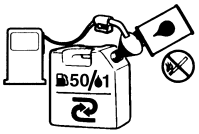
7. Fuel

■ **Fuel**

⚠WARNING

- **Gasoline is very flammable. Avoid smoking or bringing any flame or sparks near fuel. Make sure to stop the engine and allow it cool before refueling the unit. Select outdoor bare ground for fueling and move at least 3 m (10 ft) away from the fueling point before starting the engine.**

- The Zenoah engines are lubricated by oil specially formulated for air-cooled 2-cycle gasoline engine use. If Zenoah oil is not available, use an anti-oxidant added quality oil expressly labeled for air-cooled 2-cycle engine use (JASO FC GRADE OIL or ISO EGC GRADE).
- Do not use BIA or TCW (2-stroke water-cooling type) mixed oil.



■ **RECOMMENDED MIXING RATIO**
GASOLINE 50 : OIL 1
(when using ZENOAH genuine oil)

- **Exhaust emission are controlled by the fundamental engine parameters and components (eq., carburation, ignition timing and port timing) without addition of any major hardware or the introduction of an inert material during combustion.**
- These engines are certified to operate on unleaded gasoline.
- Make sure to use gasoline with a minimum octane number of 89RON (USA/Canada: 87AL).
- If you use a gasoline of a lower octane value than prescribed, there is a danger that the engine temperature may rise and an engine problem such as piston seizing may consequently occur.
- Unleaded gasoline is recommended to reduce the contamination of the air for the sake of your health and the environment.
- Poor quality gasolines or oils may damage sealing rings, fuel lines or fuel tank of the engine.

■ **HOW TO MIX FUEL**

⚠WARNING

- **Pay attention to agitation.**

1. Measure out the quantities of gasoline and oil to be mixed.
2. Put some of the gasoline into a clean, approved fuel container.
3. Pour in all of the oil and agitate well.
4. Pour in the rest of gasoline and agitate again for at least one minute. As some oils may be difficult to agitate depending on oil ingredients, sufficient agitation is necessary for the engine to last long. Be careful that, if the agitation is insufficient, there is an increased danger of early piston seizing due to abnormally lean mixture.
5. Put a clear indication on the outside of the container to avoid mixing up with gasoline or other containers.
6. Indicate the contents on outside of container for easy identification.

■ **FUELING THE UNIT**

1. Untwist and remove the fuel cap. Rest the cap on a dustless place.
2. Put fuel into the fuel tank to 80% of the full capacity.
3. Fasten the fuel cap securely and wipe up any fuel spillage around the unit.

⚠WARNING

1. Select bare ground for fueling.
2. Move at least 10 feet (3 meters) away from the fueling point before starting the engine.
3. Stop the engine before refueling the unit. At that time, be sure to sufficiently agitate the mixed gasoline in the container.

■ **FOR YOUR ENGINE LIFE, AVOID:**

1. FUEL WITH NO OIL (RAW GASOLINE) – It will cause severe damage to the internal engine parts very quickly.
2. GASOHOL – It can cause deterioration of rubber and/or plastic parts and disruption of engine lubrication.
3. OIL FOR 4-CYCLE ENGINE USE – It can cause spark plug fouling, exhaust port blocking, or piston ring sticking.
4. **Mixed fuels which have been left unused for a period of one month or more** may clog the carburetor and result in the engine failing to operate properly.
5. In the case of storing the product for a long period of time, clean the fuel tank after rendering it empty. Next, activate the engine and empty the carburetor of the composite fuel.
6. In the case of scrapping the used mixed oil container, scrap it only at an authorized repository site.

NOTE

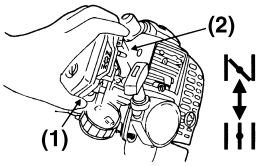
- As for details of quality assurance, read the description in the section Limited Warranty carefully. Moreover, normal wear and change in product with no functional influence are not covered by the warranty. Also, be careful that, if the usage in the instruction manual is not observed as to the mixed gasoline, etc. described therein, it may not be covered by the warranty.

8. Use

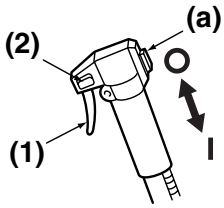
■ STARTING THE ENGINE

Take care that the cutting head will start rotating upon the engine starts.

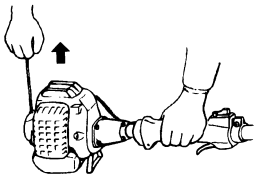
1. Push the primer pump(1) several times until overflown fuel flows out in the clear tube.
2. Move the choke lever(2) to the closed position.



3. Set the stop switch(a) to the " I " position. Set the throttle trigger to the start position (1-2).



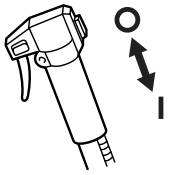
4. Place the unit on a flat, firm place. Keep the cutting head clear of everything around it.
5. While holding the unit firmly, pull out the starter rope quickly.



6. After the engine has started, open the choke guradually and allow the engine to warm up. Pull the throttle lever to unlock it.

■ STOPPING THE ENGINE

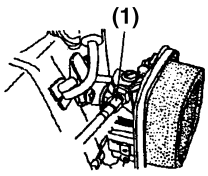
1. Release the throttle trigger.
2. Move the stop switch to the "O" position.



■ ADJUSTMENTS

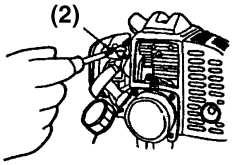
Throttle cable:

The normal play is 1 or 2 mm when measured at the carburetor side end. Readjust with the cable adjuster(1) as re-quired.



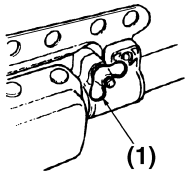
Engine idling speed:

It is normal that the engine keeps running without the blade rotation, when the throttle lever is released. When the engine speed is too high or too slow, readjust the idle set screw (2).



■ SWIVEL LOCK

a) When the unit is not hung down with the harness, as in transportation, use the swivel lock to prevent the engine from roll down.
b) To lock the swivel, turn the wing nut(1) clockwise.

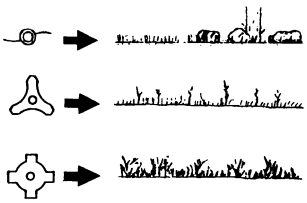


c) For normal operation, keep the wing nut loose.

■ CUTTING WORK

- By using the shoulder strap(1), hang the unit on your right side. Adjust the strap length so that the cutting head may become parallel to the ground.

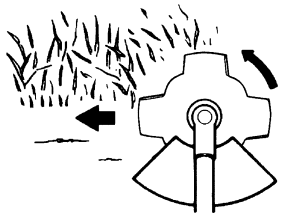
- Choose a suitable recommended cutting attachment according to the object to be cut. Never use other cutting attachment not approved by Husqvarna Zenoah.



8. Use

When using a metal blade:

1. Check the bolt to fasten the blade and be sure the bolt has on fault, and no abrasion.
2. Be sure that the blade and the holder have been fastened according to instruction and the blade turns smoothly without abnormal noise. The rotating parts fastened incorrectly may cause serious accident to the operator.
3. Cutting method:
   a) Use the front left side for cutting.
   b) Guide the blade from your right to left with it tilted slightly to your left.



   c) When mowing a wide area, start working from your left end to avoid interference of cut grass.
   d) The blade may be seized by weeds if the engine speed is too low, or the blade cuts too, deep into weeds. Adjust the engine speed and cutting depth according to the condition of object.

⚠WARNING

For your health and to prevent the risk from vibration, refrairr from working for a long time at the cold temperature.

9. Maintenance

⚠WARNING

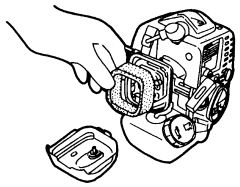
Before cleaning, inspecting, or repairing the unit, make sure that the engine has stopped and is cool.

■ BLADE

Check the blade and the fasteners for looseness, cracking, or bending.

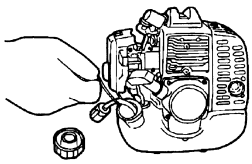
■ AIR FILTER

A clogged air filter will reduce the engine performance. Check periodically and clean the filter element in warm, soapy water as required. Dry completely before installing. If the element is broken or shrunk, replace with a new one.



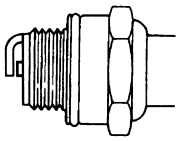
■ FUEL FILTER

When the engine runs short of fuel supply, check the fuel strainer for blockage.



■ SPARK PLUG

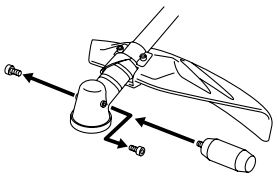
Starting failure and mis-firing are often caused by a fouled spark plug. Periodically clean the spark plug, and replace with a new one as required.



Type of Plug	Spark Gap
NGK BPMR7A	0.6 ~ 0.7 mm

■ GEARCASE

- Supply multi-purpose grease at every 25 hours of use.
- Remove the bolt of the grease nipple and the bolt opposite side of the grease nipple. Install new grease into the grease nipple to arrange for old grease to exit from the opposite side.



■ MAINTENANCE BEFORE STORAGE

- Old fuel left in the carburetor may cause starting failure. When a series of operation finished, make sure to empty the fuel tank and drain the carburetor.
- Check all parts and the functions. If the failured or damaged parts have been found, replace them with new ones.

10. Troubleshooting guide

Case 1. Starting failure

CHECK		PROBABLE CAUSES		ACTION
fuel tank	→	incorrect fuel	→	drain it and with correct fuel
fuel filter	→	fuel filter is clogged	→	clean
carburetor adjustment screw	→	out of normal range	→	adjust to normal range
sparking (no spark)	→	spark plug is fouled/wet	→	clean/dry
	→	plug gap is incorrect	→	correct (GAP: 0.6 – 0.7 mm)
spark plug	→	disconnected	→	retighten

Case 2. Engine starts but does not keep running/Hard re-starting.

CHECK		PROBABLE CAUSES		ACTION
fuel tank	→	incorrect fuel or staled fuel	→	drain it and with correct fuel
carburetor adjustment screw	→	out of normal range	→	adjust to normal range
muffler,cylinder (exhaust port)	→	carbon is built-up	→	consult with the repair specialty store
air cleaner	→	clogged with dust	→	air blow or wash
cylinder fin, fan cover	→	clogged with dust	→	consult with the repair specialty store

When your unit seems to need further service, please consult with our ZENOAH service shop in your area.

11. Disposal

- When you dispose of the machine, do not disassemble the machine.
- When you dispose of the machine, fuel, oil, be sure to follow your local regulations.

Limited warranty

Should any failure occur on the product under normal operating conditions within the applicable warranty period, the failed part will be replaced or repaired free of charge by a ZENOAH authorized dealer.

WARRANTY PERIOD: Six (6) months after purchased by end-user subject to 12 months from produced month (30 days If used for rental purpose)

THE PURCHASER SHALL BEAR COSTS OF TRANSPORTING THE UNIT TO AND FROM THE ZENOAH DEALER.

THE PURCHASER SHALL NOT BE CHARGED FOR DIAGNOSTIC LABOR WHICH LEADS TO THE DETERMINATION THAT A WARRANTED PART IS DEFECTIVE, IF THE DIAGNOSTIC WORK IS PERFORMED AT THE ZENOAH DEALER.

THE PURCHASER OR OWNER IS RESPONSIBLE FOR THE PERFORMANCE OF THE REQUIRED MAINTENANCE AS DEFINED BY THE MANUFACTURER IN THE OWNER/OPERATOR MANUAL.

ANY WARRANTED PART WHICH IS NOT SCHEDULED FOR REPLACEMENT AS REQUIRED MAINTENANCE, OR WHICH IS SCHEDULED ONLY FOR REGULAR INSPECTION TO THE EFFECT OF REPAIR OR “REPLACE AS NECESSARY” SHALL BE WARRANTED FOR THE WARRANTY PERIOD. ANY WARRANTED PART WHICH IS SCHEDULED FOR REPLACEMENT AS REQUIRED MAINTENANCE SHALL BE WARRANTED FOR THE PERIOD OF TIME UP TO THE FIRST SCHEDULED REPLACEMENT POINT FOR THE PART.

ANY REPLACEMENT PART THAT IS EQUIVALENT IN PERFORMANCE AND DURABILITY MAY BE USED IN NON-WARRANTY MAINTENANCE OR REPAIRS, AND SHALL NOT REDUCE THE WARRANTY OBLIGATION OF THE COMPANY.

THE COMPANY IS LIABLE FOR DAMAGES TO OTHER ENGINE COMPONENTS CAUSED BY THE FAILURE OF A WARRANTED PART STILL UNDER WARRANTY.

THE WARRANTY DOES NOT APPLY TO THOSE UNITS WHICH HAVE BEEN DAMAGED BY NEGLIGENCE OF INSTRUCTION LISTED IN THE OWNER/OPERATOR MANUAL FOR PROPER USE AND MAINTENANCE OF THE UNITS ACCIDENT MISHANDLING, ALTERATION, ABUSE, IMPROPER LUBRICATION, USE OF ANY PARTS OR ACCESSORIES OTHER THAN THOSE SPECIFIED BY THE COMPANY, OR OTHER CAUSES BEYOND THE COMPANY’S CONTROL.

THIS WARRANTY DOES NOT COVER THOSE PARTS REPLACED BY NORMAL WEAR OR HARMLESS CHANGES IN THEIR APPEARANCE.

THERE ARE NO OTHER EXPRESS WARRANTIES.

ANY IMPLIED WARRANTY is limited to the duration of the limited warranty. Otherwise, this limited warranty is in lieu of all other expressed or implied warranties, including any warranty of **FITNESS FOR A PARTICULAR PURPOSE OR USE** and any implied warranty **MERCHANTABILITY** otherwise applicable to this product.

LIABILITIES FOR INCIDENTAL OR CONSEQUENTIAL DAMAGE UNDER ANY AND ALL WARRANTIES ARE EXCLUDED.

IF YOU NEED TO OBTAIN MORE INFORMATION, PLEASE CALL YOUR NEAREST SERVICE CENTER, OR CHECK PLEASE ZENOAH WEB SITE
http://www.zenoah.net